ORDER No. ACED010318C3

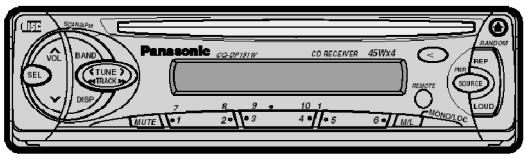
Service Manual

AUTOMOTIVE CONSUMER ELECTRONICS

COMPACT disc DIGITAL AUDIO

CQ-DP151W / CQ-DP101W

CD Player / Receiver



(CQ-DP151W)

SPECIFICATIONS

Specification*

General	
Power Supply	**DC 12V (11V - 16V),** **Test Voltage 14.4V** **Negative Ground**
Tone Adjustment Range	**Bass ; ±12dB at 100Hz** **Treble ; ±12dB at 10kHz**
Current Consumption	**Less than 2.2A (CD play mode, 0.5W×4ch)**
Maximum Power Output	**45W×4ch (at 1kHz, Vol. Max.)**
Suitable Speaker Impedance	**4-8 Ω**
Pre-AMP Output Voltage	**2V (CD play mode; 1kHz, 0dB)**
Output Impedance	
<CQ-DP151W>	**200 Ω**
<CQ-DP101W>	**600 Ω**
FM Stereo Radio	
Frequency Range	**87.5 - 108.0MHz**
Usable Sensitivity	**11.0 dBf (1.25 μ V, 75 Ω)**
AM Radio	
Frequency Range	**531 - 1,602kHz**
Usable Sensitivity	**28dB/ μ V (25 μ V, S/N 20dB)**
CD Player	
Sampling Frequency	**32 times over sampling**
Pick-Up Type	**Astigma 3-beam**
Light Source	**Semiconductor Laser**
Wavelength	**780nm**
Frequency Response	**20Hz to 20,000Hz (±1dB)**
Signal to Noise Ratio	**96dB**
Wow and Flutter	**Below measurable limits**
Channel Separation	**75dB**
Dimensions**	**178(W)×50(H)×150(D)mm**
Weight**	**1.5kg**

*** Specifications and the design are subject to possible modification without notice due to improvements.**
**** Dimensions and Weight shown are approximate.**

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic®

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by ⚠ in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.

1. FEATUERS

- PLL (Phase Locked Loop) synthesized tuning.
- 18-FM, 6-AM presets with preset scan
- Digital servo for reliable CD playback.
- Removable face plate.

2. REPLACEING THE FUSE

Use fuses of the same specified rating (15A). Using different substitutes or fuses with higher ratings, or connecting the unit directly without a fuse, could cause fire or damage to the stereo unit.

3. MAINTENANCE

Your products is designed and manufactured to ensure a minimum of maintenance. Use a soft cloth for routine exterior cleaning. Never use benzine, thinner or other solvents.

4. NOTES

[RADIO BLOCK]
Do not align the AM/FM package block. When the package block is necessary, it will be supplied already aligned at the factory.
[CD DECK BLOCK]
This model has no servo alignment points because microcomputer controls the servo circuit.
[OTHER]
The following table describes the differences between 2 models.

	CQ-DP151W	CQ-DP101W
Pre-Amp output connector	Rear, Front	Rear
Remote control unit	Included	Not included

5. LASER PRODUCTS

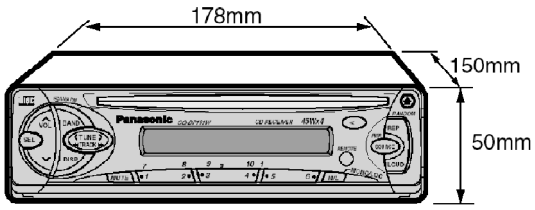
Do not take apart this unit or attempt to make any changes yourself.
This unit is very intricate that uses a laser pickup to retrieve information from the suface of compact discs. The laser is carefully shielded so that its rays remain inside the cabinet. Therefore, never try to disassemble the player or alter any of its parts since you may be exposed to laser rays and dangerous voltages.

Laser products :

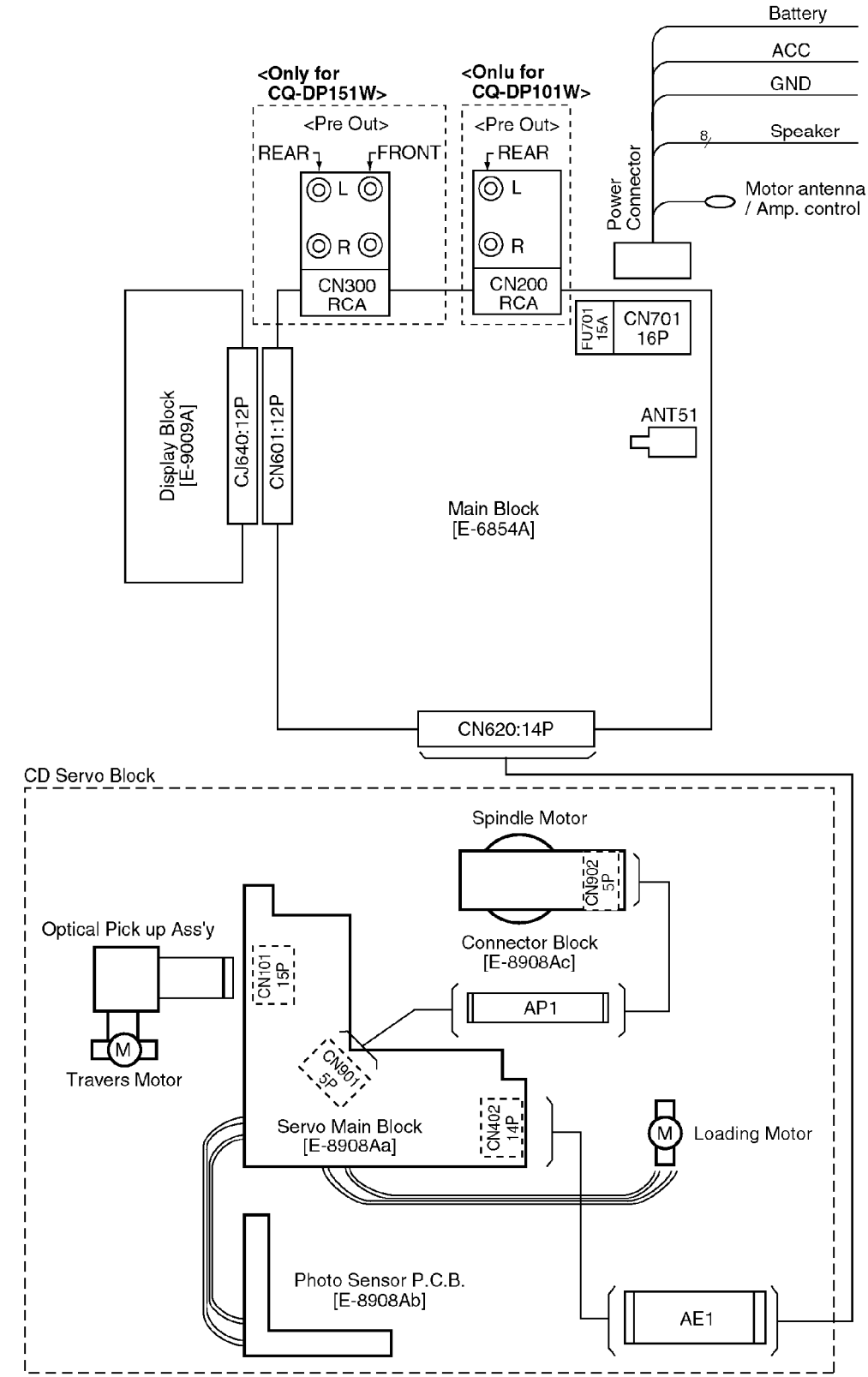
Wave length	780nm
Laser power	No hazardous radiation is emitted with safety protection.

Caution
This product utillzes a laser.
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

6. DIMENSIONS



7. WIRING CONNECTION

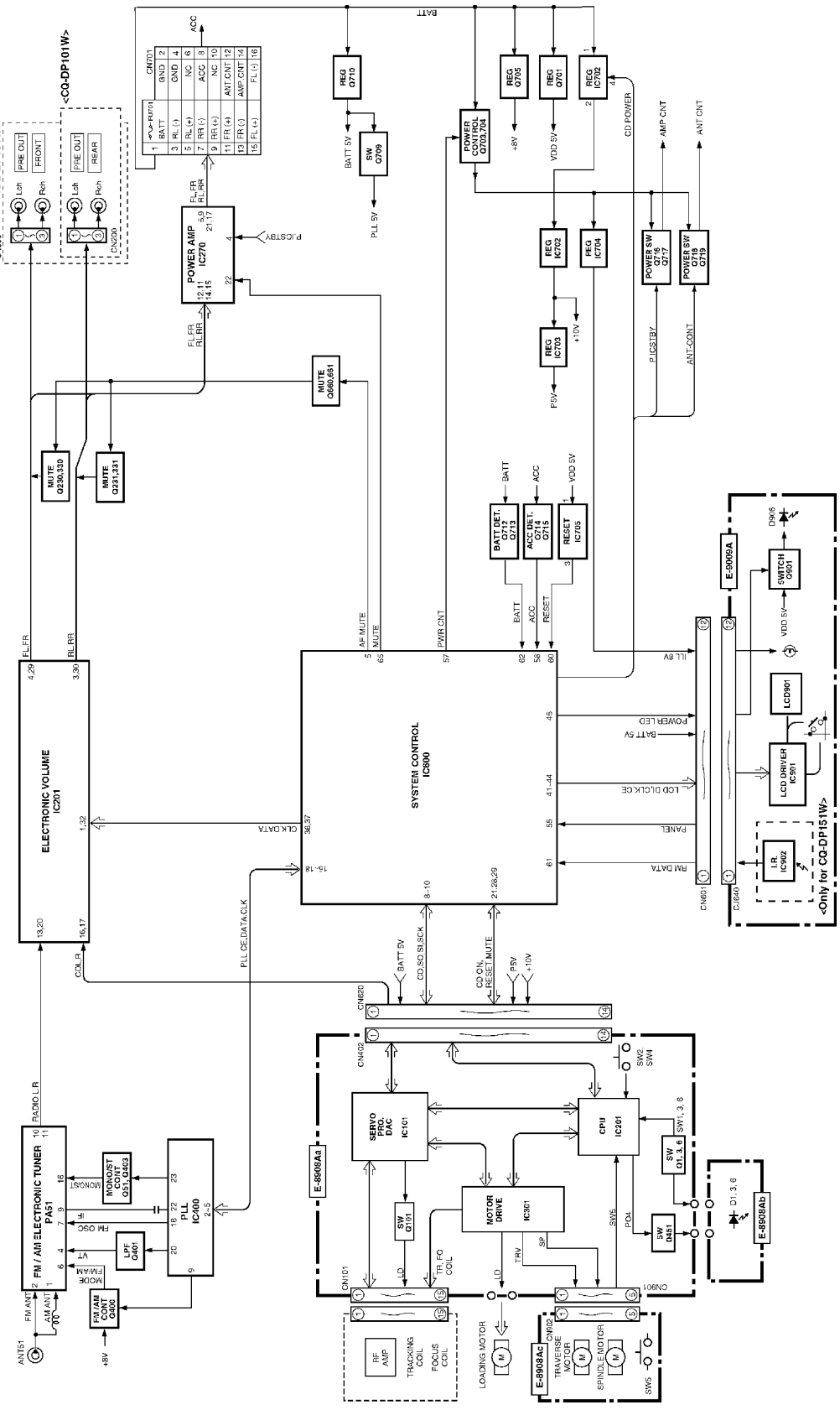


<Note> :

▭ .....This mark shows a Ref. No. of connector

▭ .....This mark shows a mounting position of connector.

8. BLOCK DIAGRAM



9. TERMINALS DESCRIPTION

9.1. Main Block

IC600 : C2BBGE000526

Pin No.	Port	Description	I/O	(V)
1	INIT C	Initial C	I	4.9
2	LEVEL-R	Not used	-	-
3	LEVEL-L	Not used	-	-
4	AVSS	Analog ground	-	-
5	AF MUTE	AF mute	O	5.1
6	P. IC STBY	Power Amp. stand-by	O	5.0
7	AVREF	Reference voltage	-	5.1
8	CD-SO	CD data	I	3.2
9	CD-SI	CD data	O	3.8
10	CD-SCK	CD clock	O	5.0
11	CD.C DATA	Not used	-	-
12	NC	No connection	-	-
13	CD.C CLK	Not used	-	-
14	REM OUT	Not used	-	-
15	PLL CE	PLL controller chip enable	O	0
16	PLL DATA (MI)	Data from PLL	I	5.1
17	PLL DATA (MO)	Data for PLL	O	0
18	PLL CLK	Clock for PLL	O	0
19	NC	No connection	-	-
20	NC	No connection	-	-
21	CD-RESET	CD reset	O	5.0
22	NC	No connection	-	-
23	NC	No connection	-	-
24	NC	No connection	-	-
25	NC	No connection	-	-
26	NC	No connection	-	-
27	NC	No connection	-	-
28	CD-ON	CD power on	O	5.0
29	CD-MUTE	CD mute control	I	0
30	CD-SW2	Not used	-	-
31	NC	No connection	-	-
32	NC	No connection	-	-
33	Vss	Ground	-	0

34	NC	No connection	-	-
35	/ST	FM stereo detection	I	4.6
36	IC2-CLK	Electronic volume clock	O	5.0
37	IC2-DATA	Electronic volume data	I/O	5.0
38	LED	Not used	-	-
39	/HDB	Not used	-	-
40	BZIN	Power SW detection	I	4.9
41	LCD-DI (MO)	LCD data output	O	0
42	LCD-DO (MI)	LCD data input	I	5.0
43	LCD-CLK	LCD clock	O	0
44	LCD-CE	LCD chip enable output	O	0.2
45	POWER LED	Pilot lamp on	O	0
46	ANT.CONT	Motor antenna control	O	0
47	NC	No connection	-	-
48	NC	No connection	-	-
49	NC	No connection	-	-
50	BZOUT	Not used	-	-
51	NC	No connection	-	-
52	NC	No connection	-	-
53	NC	No connection	-	-
54	NC	No connection	-	-
55	PANEL	Panel detect	I	4.8
56	CD POWER	CD power control	O	5.1
57	PWR CNT	Power control	O	5.1
58	ACC	ACC detection	I	4.5
59	RDS DATA	Not used	-	-
60	/RESET	Reset input	I	4.7
61	REM	Remocon data input	I	4.4
62	BATT	Battery detection	I	4.7
63	RDS CLK	Not used	-	-
64	CD.C.STB	(Ground pull-down)	I	0
65	MUTE	Mute control	O	5.1
66	NC	(Connecting to ground)	-	0
67	CD. C2	(Connecting to ground)	-	0
68	VDD	+5V power supply	-	5.1
69	X2	Crystal oscillator	-	3.0
70	X1	Crystal oscillator	-	1.7
71	Vss	(Ground pull-down)	-	0
72	NC	No connection	-	-
73	TEL MUTE	Telephone mute	I	4.9
74	AVDD	+5V power supply	-	5.1

75	AVREF	(Connecting to VDD)	-	5.1
76	NC	(Connecting to ground)	-	0
77	SD	Search detect	I	0.6
78	INIT D	Initial value D	I	5.1
79	INIT A	Initial value A	I	5.1
80	INIT B	Initial value B	I	5.1

Note 1 : Voltage measuerments are with respect to ground, with a voltmeter (internal resistance : 10M ohms).

9.2. Display Block

IC901 : YEAMLC75853W

Pin No.	Port	Description	I/O	(V)
1-8	SEG1-8	Not used	-	-
9-35	SEG9-35	LCD segment	O	2.5
36-40	NC	No connection	-	-
41-43	COM1-3	LCD common	O	2.5
44-49	KS1-6	Key data output	O	0.9
50-4	KI1-5	Key data input	I	0
55	TEST	(Connecting to ground)	-	0
56	VDD	+5V power supply	-	5.1
57	VDD1	Ground through capacitor	-	3.3
58	VDD2	Ground through capacitor	-	1.7
59	Vss	Ground	-	0
60	OSC	CR oscillator	-	3.9
61	DO	Key data output	O	4.4
62	CE	Chip enable	I	0
63	CLK	LCD clock	I	0
64	DI	LCD data input	I	0

9.3. CD Servo Block

IC201 : C2BBFD000188

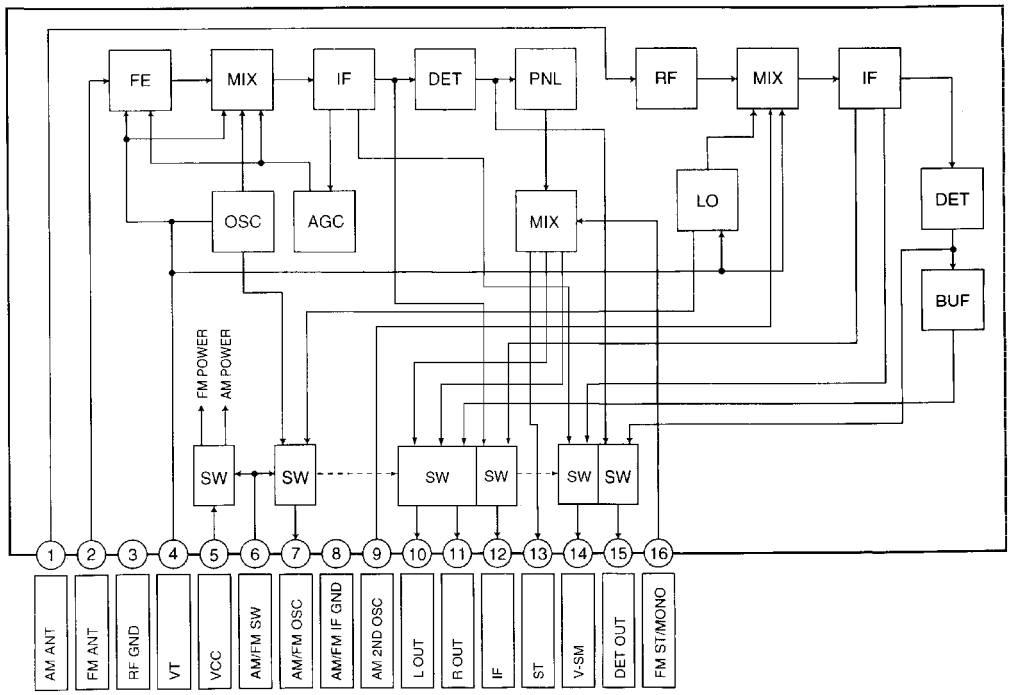
Pin No.	Port	Description	I/O	(V)
1	A0	Address output	O	3.8
2	/RST	Servo processor reset	O	5.1
3	RFOK	Servo processor RFOK signal	I	4.9
4	/PS2	IC301 mute	O	5.1
5	/PC1	IC301 mute	O	0
6	TRV	Toraverse motor control	O	2.5
7	LOD	Loading motor control	O	2.5
8	PS2	Not used	-	-
9	PC1	Not used	-	-
10	PC	Not used	-	-
11	IFR	(Connecting to ground)	-	0
12	NC	No connection	-	-
13	VPP	Not used	-	-
14	X2	Crystal oscillator	-	3.3
15	X1	Crystal oscillator	-	2.9
16	VSS	Ground	-	0
17	VDD	+5V power supply	-	5.1
18	/RESET	Reset input	I	5.1
19	TP19	Not used	-	-
20	TP20	Not used	-	-
21	TP21	Not used	-	-
22	AMUTE	AF mute	O	0
23	CDON	CD power on	I	5.0
24	INTP1	(Connecting to ground)	-	0
25	INTP0	(Connecting to ground)	-	0
26	SIMO	Serial data	I	0
27	SOMI	Serial data	O	2.9
28	SCKM	Shift clock for serial data	I	5.0
29	Q1 SW1	Disc in sensor signal	I	4.6
30	Q3 SW3	Disc out sensor signal	I	4.6
31	Q6 SW6	(Option sensor)	I	4.7
32	SW4	Disc clamp	I	0
33	SW5	Inner SW	I	4.9
34	SW2	Feeder arm	I	5.1
35	TP35	Not used	-	-
36	TP36	Not used	-	-
37	TP37	Not used	-	-
38	VDD	+5V power supply	-	5.1
39	VSS	Ground	-	0
40	/XEN	Servo processor XEN signal	O	0

		Signal		
41	SI	Serial data	O	3.1
42	SO	Serial data	I	0.7
43	/SCK	Shift clock	O	3.6
44	/STB	Strobe	O	5.0

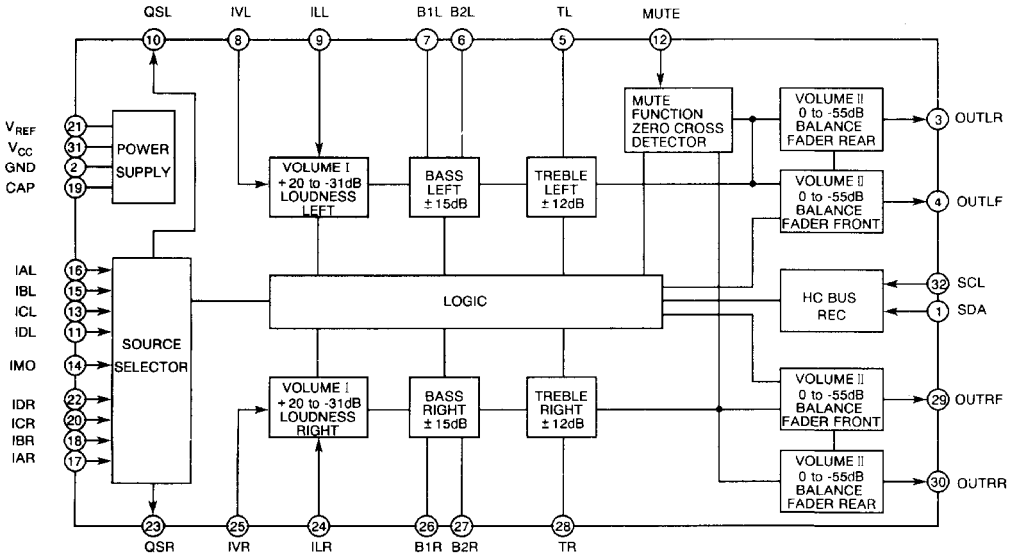
10. PACKAGE AND IC BLOCK DIAGRAM

10.1. Main Block

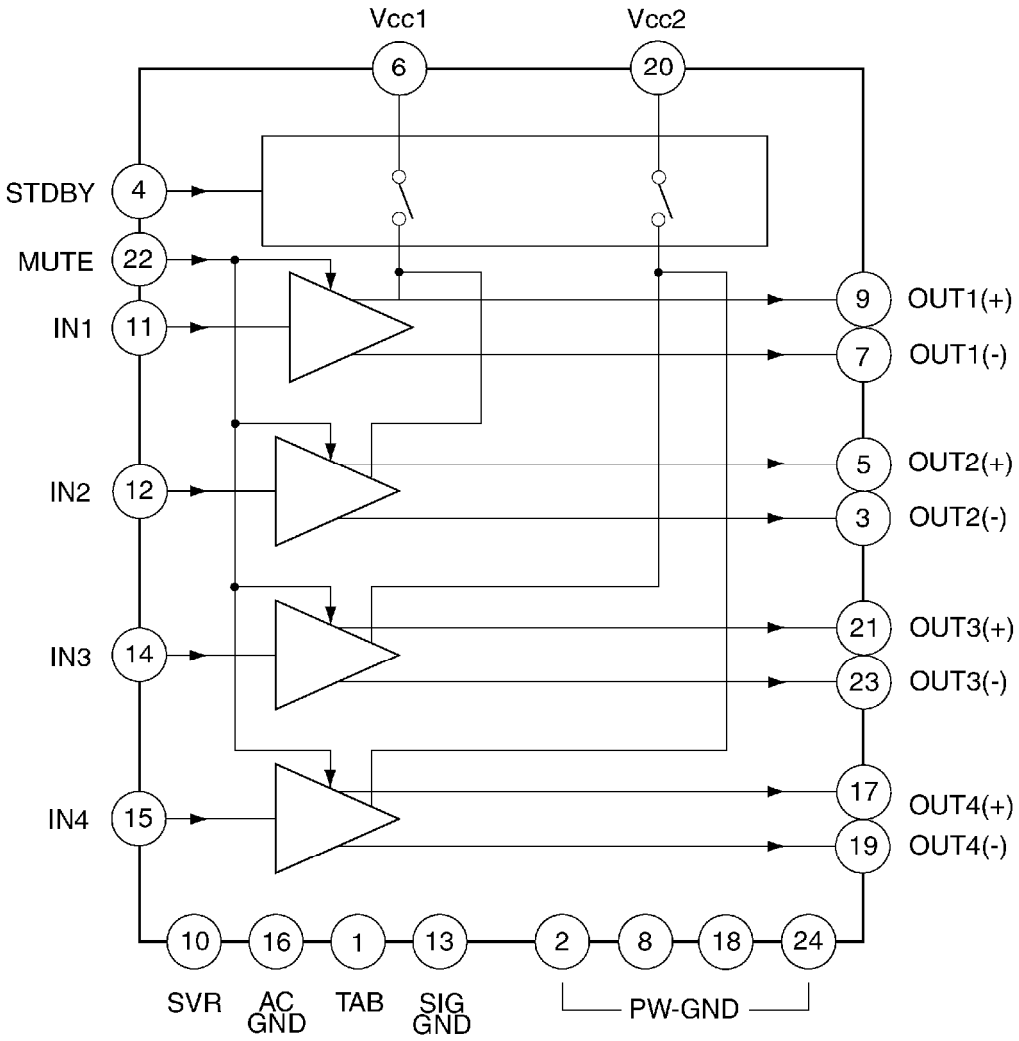
PA51 : C5BA00000095



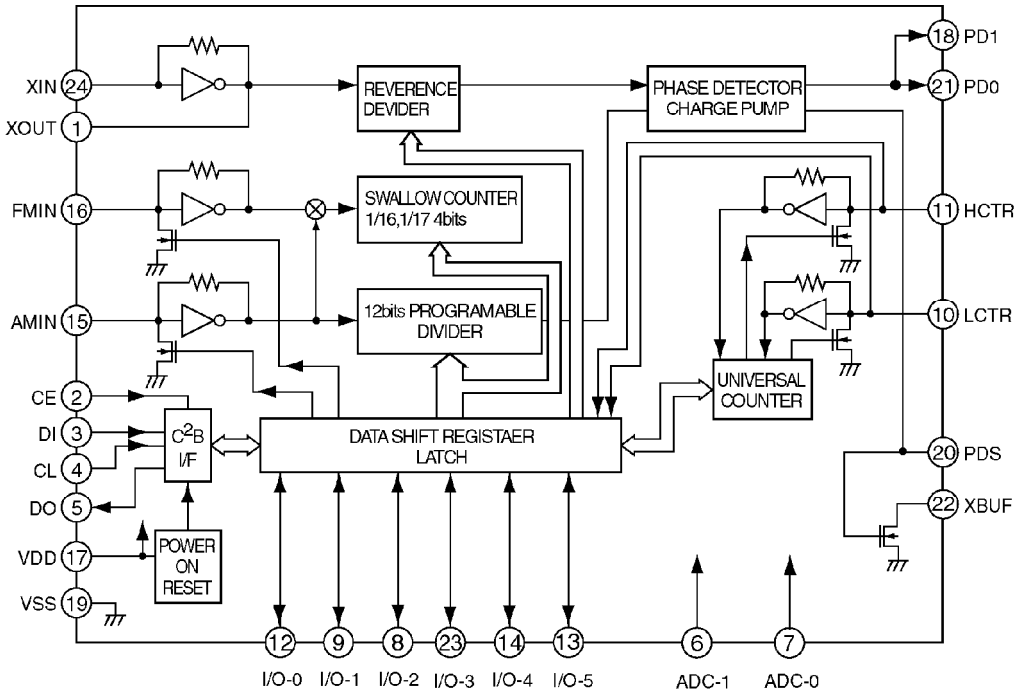
IC201 : YEAMEA6320TT



IC270 : C1EA00000026

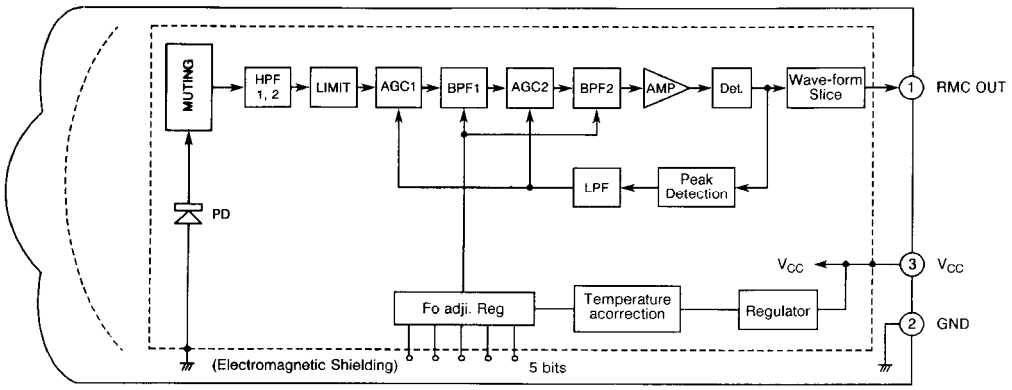


IC400 : C1BB00000541



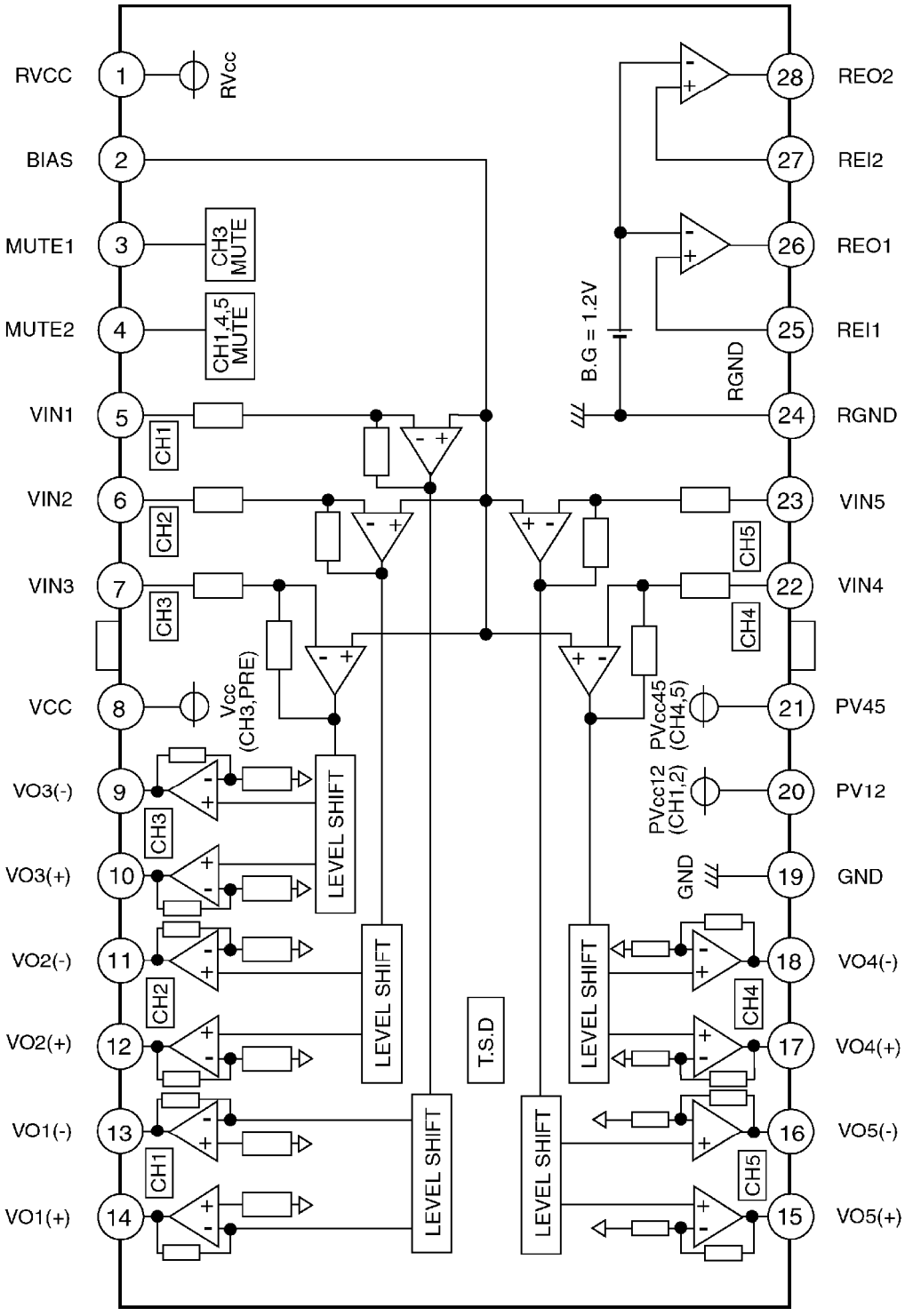
10.2. Display Block

IC902 : YEAMSBX8035F



10.3. CD Servo Block

IC301 : C0GBY0000012



11. REPLACEMENT PARTS LIST

Notes :

1. Be sure to make your orders of replacement parts according to this list.

2. Important safety notice: Components, identified by ⚠ mark have

special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

3. Location keys in the remarks column indicates the general location of the parts shown in the exploded drawing, as in a road map.
4. The marking (RTL) indicates that Retention Time is limited for this item. After the discontinuation of assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.
5. "A" or "B" marks in remarks column are indicated as follows :

   - A : CQ-DP151W
   - B : CQ-DP101W

Ref. No.	Part No.	Part Name & Description	Remarks
[E6854A] Main Block			
IC's and TRANSISTORs			
IC201	YEAMEA6320TT	IC	
IC270	C1EA00000026	IC	
IC400	C1BB00000541	IC	
IC600	C2BBGE000526	IC	
IC702	C0DAZHF00002	IC	
IC703	C0CAADG00035	IC	
IC704	YEAMPC78M08A	IC	
IC705	C0EBG0000038	IC	
PA51	C5BA00000095	Tuner Pack	
Q230	YEANC323TKT	Transistor	
Q231	YEANC323TKT	Transistor	
Q330	YEANC323TKT	Transistor	
Q331	YEANC323TKT	Transistor	
Q400	YEANFP1F3PT1	Transistor	
Q401	YEAN2SK536TB	Transistor	
Q660	B1GDCFJJ0002	Transistor	
Q661	B1GDCFJJ0002	Transistor	
Q701	B1ABMD000008	Transistor	
Q703	B1BCCG000014	Transistor	
Q704	YEANC143XKTX	Transistor	
Q705	B1BACG000022	Transistor	
Q709	B1GDCFJN0004	Transistor	
Q710	B1ABMD000008	Transistor	
Q712	YEANA144EKTX	Transistor	
Q713	YEANC113ZKTX	Transistor	
Q714	YEANA144EKTX	Transistor	

Ref. No.	Part No.	Part Name & Description	Remarks
Q715	YEANC113ZKTX	Transistor	
Q716	B1BCCF000017	Transistor	
Q717	B1GBCFNL0001	Transistor	
Q718	B1BCCF000017	Transistor	
Q719	B1GBCFNL0001	Transistor	
DIODEs			
D702	MA165TA	Diode	
D703	B0BA5R700006	Diode	
D705	MA165TA	Diode	
D706	YEADDSA3A2	Diode	
D707	MA736TX	Diode	
D708	B0BA8R700011	Diode	
D712	B0BA6R700008	Diode	
D713	B0BA5R700006	Diode	
CAPACITORs			
C51	ECEA1CKA470I	Electrolytic, 47 μ F 16WV	
C52	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C53	YECUS1H273KX	Ceramic, 0.027 μ F 50WV	
C56	YECUS1H273KX	Ceramic, 0.027 μ F 50WV	
C57	YECUS1H102KX	Ceramic, 0.001 μ F 50WV	
C201	F1J1H121A025	Ceramic, 120PF 50WV	
C203	ECEA1HKA3R3I	Electrolytic, 3.3 μ F 50WV	
C205	ECEA1HKA010I	Electrolytic, 1 μ F 50WV	
C208	YECUS1E333KX	Ceramic, 0.033 μ F 25WV	
C209	YECUS1H562KX	Ceramic, 0.0056 μ F 50WV	
C210	ECEA1CKA470I	Electrolytic, 47 μ F 16WV	
C211	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C212	F1J1H121A025	Ceramic, 120PF 50WV	
C230	ECEA1CKS100I	Electrolytic, 10 μ F 16WV	
C231	ECEA1CKS100I	Electrolytic, 10 μ F 16WV	
C240	ECEA1HKSR47I	Electrolytic, 0.47 μ F 50WV	
C241	ECEA1HKSR47I	Electrolytic, 0.47 μ F 50WV	
C249	YECUS1H122KX	Ceramic, 0.0012 μ F 50WV	
C250	YECUS1H122KX	Ceramic, 0.0012 μ F 50WV	
C278	ECEA1CKS470I	Electrolytic, 47 μ F 16WV	
C279	ECEA1HKS2R2I	Electrolytic, 2.2 μ F 50WV	
C301	F1J1H121A025	Ceramic, 120PF 50WV	
C303	ECEA1HKA3R3I	Electrolytic, 3.3 μ F 50WV	
C305	ECEA1HKA010I	Electrolytic, 1 μ F 50WV	
C308	YECUS1E333KX	Ceramic, 0.033 μ F 25WV	
C309	YECUS1H562KX	Ceramic, 0.0056 μ F 50WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C310	ECEA0JKA101I	Electrolytic, 100 μ F 6.3WV	
C311	ECEA1CKA470I	Electrolytic, 47 μ F 16WV	
C312	F1J1H121A025	Ceramic, 120PF 50WV	
C330	ECEA1CKS100I	Electrolytic, 10 μ F 16WV	
C331	ECEA1CKS100I	Electrolytic, 10 μ F 16WV	
C340	ECEA1HKSR47I	Electrolytic, 0.47 μ F 50WV	
C341	ECEA1HKSR47I	Electrolytic, 0.47 μ F 50WV	
C349	YECUS1H122KX	Ceramic, 0.0012 μ F 50WV	
C350	YECUS1H122KX	Ceramic, 0.0012 μ F 50WV	
C401	F1J1H560A025	Ceramic, 56PF 50WV	
C402	F1J1H6R0A007	Ceramic, 6PF 50WV	
C403	ECEA0JKA101I	Electrolytic, 100 μ F 6.3WV	
C404	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C405	F1J1H101A506	Ceramic, 100PF 50WV	
C408	YECUS1E223KX	Ceramic, 0.022 μ F 25WV	
C409	ECQV1H224JL2	Plastic Film, 0.22 μ F 50WV	
C410	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C411	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C413	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C415	YECUS1H221JC	Ceramic, 220PF 50WV	
C417	ECEA1AKS221I	Electrolytic, 220 μ F 10WV	
C601	YECUS1H220JC	Ceramic, 22PF 50WV	
C602	YECUS1H220JC	Ceramic, 22PF 50WV	
C603	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C604	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C605	ECEA0JKS331I	Electrolytic, 330 μ F 6.3WV	
C607	EECS5R5T473S	Electrolytic, 0.047 μ F 5.5WV	
C612	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C613	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C631	ECEA0JKS220I	Electrolytic, 22 μ F 6.3WV	
C660	ECEA0JKS220I	Electrolytic, 22 μ F 6.3WV	
C661	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C690	YECUS1H103KX	Ceramic, 0.01 μ F 50WV	
C702	ECEA0JKS470I	Electrolytic, 47 μ F 6.3WV	
C703	ECEA1HKS010I	Electrolytic, 1 μ F 50WV	
C707	ECA1CM221I	Electrolytic, 220 μ F 16WV	
C710	ECA1CM102B	Electrolytic, 1000 μ F 16WV	
C711	YECUS1C224KX	Ceramic, 0.22 μ F 16WV	
C712	ECEA1CKS470I	Electrolytic, 47 μ F 16WV	
C714	ECEA0JKS101I	Electrolytic, 100 μ F 6.3WV	
C715	YECUS1C224KX	Ceramic, 0.22 μ F 16WV	

Ref. No.	Part No.	Part Name & Description	Remarks
C717	YECUS1C224KX	Ceramic, 0.22 μF 16WV	
C720	YECUS1E104ZF	Ceramic, 0.1 μF 25WV	
C723	ECEA0JKS470I	Electrolytic, 47 μF 6.3WV	
C732	YECUS1E104ZF	Ceramic, 0.1 μF 25WV	
C735	ECA1CDT472Y	Electrolytic, 4700 μF 16WV	
C736	ECEA1HKS010I	Electrolytic, 1 μF 50WV	
RESISTORs			
R50	ERJ6GEYJ5R6	Chip, 5.6 Ω 1/10W	
R52	ERJ6GEYJ101	Chip, 100 Ω 1/10W	
R53	ERJ6GEYJ331	Chip, 330 Ω 1/10W	
R58	ERJ6GEYJ393	Chip, 39k Ω 1/10W	
R201	ERJ6GEYJ183	Chip, 18k Ω 1/10W	
R202	ERJ6GEYJ183	Chip, 18k Ω 1/10W	
R230	ERJ6GEYJ101	Chip, 100 Ω 1/10W	
R231	ERJ6GEYJ221	Chip, 220 Ω 1/10W	A
R235	ERJ6GEYJ101	Chip, 100 Ω 1/10W	
R236	ERJ6GEYJ221	Chip, 220 Ω 1/10W	A
R236	ERJ6GEYJ561	Chip, 560 Ω 1/10W	B
R241	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R243	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R301	ERJ6GEYJ183	Chip, 18k Ω 1/10W	
R302	ERJ6GEYJ183	Chip, 18k Ω 1/10W	
R330	ERJ6GEYJ101	Chip, 100 Ω 1/10W	
R331	ERJ6GEYJ221	Chip, 220 Ω 1/10W	A
R335	ERJ6GEYJ101	Chip, 100 Ω 1/10W	
R336	ERJ6GEYJ221	Chip, 220 Ω 1/10W	A
R336	ERJ6GEYJ561	Chip, 560 Ω 1/10W	B
R341	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R343	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R401	ERJ6GEYJ152	Chip, 1.5k Ω 1/10W	
R402	ERJ6GEYJ222	Chip, 2.2k Ω 1/10W	
R403	ERJ6GEYJ471	Chip, 470 Ω 1/10W	
R406	ERJ6GEYJ182	Chip, 1.8k Ω 1/10W	
R407	ERJ6GEYJ561	Chip, 560 Ω 1/10W	
R408	ERJ6GEYJ562	Chip, 5.6k Ω 1/10W	
R409	ERJ6GEYJ563	Chip, 56k Ω 1/10W	
R411	ERJ6GEYJ100	Chip, 10 Ω 1/10W	
R600	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R602	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R604	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R606	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R608	ERJ6GEYJ102	Chip, 1k Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R609	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R610	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R611	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R615	ERJ6GEYJ100	Chip, 10 Ω 1/10W	
R616	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R617	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R618	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R619	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R620	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R621	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R622	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R623	ERJ6GEYJ184	Chip, 180k Ω 1/10W	
R629	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R630	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R631	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R632	ERJ6GEYJ682	Chip, 6.8k Ω 1/10W	
R639	ERJ6GEYJ184	Chip, 180k Ω 1/10W	
R645	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R649	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R653	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R654	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R660	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R661	ERJ6GEYJ393	Chip, 39k Ω 1/10W	
R673	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R686	ERJ6GEYJ822	Chip, 8.2k Ω 1/10W	
R690	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R691	ERJ6GEYJ333	Chip, 33k Ω 1/10W	
R692	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
R693	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R694	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R695	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R698	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R701	ERDS2FJ470	Carbon, 47 Ω 1/4W	
R702	ERDS2FJ470	Carbon, 47 Ω 1/4W	
R703	ERJ6GEYJ682	Chip, 6.8k Ω 1/10W	
R704	ERJ6GEYJ223	Chip, 22k Ω 1/10W	
R705	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R706	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R707	ERDS2TJ103	Carbon, 10k Ω 1/4W	
R709	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R710	ERDS1FJ331	Carbon, 330 Ω 1/2W	
R711	ERDS1FJ331	Carbon, 330 Ω 1/2W	
R712	ERDS2FJ1R0T	Carbon, 1.0 Ω 1/4W	
R713	ERDS2FJ1R0T	Carbon, 1.0 Ω 1/4W	
R714	ERJ6GEYJ102	Chip, 1k Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R716	ERJ6GEYJ472	Chip, 4.7k Ω 1/10W	
R718	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R719	ERDS1FJ820	Carbon, 82 Ω 1/2W	
R720	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R721	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R722	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R723	ERJ6GEYJ222	Chip, 2.2k Ω 1/10W	
R727	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R731	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R732	ERJ6GEYJ681	Chip, 680 Ω 1/10W	
R733	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R734	ERJ6GEYJ681	Chip, 680 Ω 1/10W	
R735	ERJ6GEYJ154	Chip, 150k Ω 1/10W	
R736	ERJ6GEYJ154	Chip, 150k Ω 1/10W	
CONNECTORs			
CN200	YEAE02165	Connector, 2P RCA	B
CN300	YEAE02166	Connector, 4P RCA	A
CN601	YEAE012475	Connector, 12P	
CN620	YEAE012763	Connector, 14P	
CN701	K1FA116B0025	Connector, 16P	
CP1	K9ZZ00000176	Flat Cable, 14P	
COILs			
L50	YELT02C330KT	Coil	
L400	YELT02C101KT	Coil	
L600	YELT02C470KT	Coil	
L601	YELT02C101KT	Coil	
L703	YETQ026F143	Coil	
CRYSTALs			
XL400	H0D103500001	Crystal	
XL600	YEXL51N04190	Crystal	
LAMP			
Z50	J0LE00000002	ZNR	
THERMISTORs			
PT701	YERT7AR4R7MT	Thermistor	
PT702	YERT7AR4R7MT	Thermistor	
[E9009A] Display Block			
IC's and TRANSISTORs			
IC901	YEAMLC75853W	IC	
IC902	YEAMSBX8035F	IC	A

Ref. No.	Part No.	Part Name & Description	Remarks
Q901	B1GDCFJJ0002	Transistor	
DIODEs			
D901	MA8056LMHTX	Diode	
D902	MA8056LMHTX	Diode	
D903	MA8056LMHTX	Diode	
D904	MA8056LMHTX	Diode	
D905	MA8056LMHTX	Diode	
D906	B3AAB0000080	Diode	
D925	LN1361C6TR	Diode	
D926	LN1361C6TR	Diode	
D927	LN1361C6TR	Diode	
D929	LN1361C6TR	Diode	
D930	LN1361C6TR	Diode	
D931	LN1361C6TR	Diode	
D932	LN1361C6TR	Diode	
D933	LN1361C6TR	Diode	
CAPACITORs			
C901	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C902	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C903	YECUS1H681JC	Ceramic, 680PF 50WV	
C904	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
C905	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	A
C906	YECUS1H102KX	Ceramic, 0.001 μ F 50WV	A
C912	YECUS1E104ZF	Ceramic, 0.1 μ F 25WV	
RESISTORs			
R901	ERJ6GEYJ4R7	Chip, 4.7 Ω 1/10W	
R902	ERJ6GEYJ102	Chip, 1k Ω 1/10W	A
R903	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R904	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R905	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R906	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R908	ERJ6GEYJ332	Chip, 3.3k Ω 1/10W	
R909	ERJ6GEYJ4R7	Chip, 4.7 Ω 1/10W	
R910	ERJ6GEYJ473	Chip, 47k Ω 1/10W	
R911	ERJ6GEYJ103	Chip, 10k Ω 1/10W	
R912	ERJ6GEYJ102	Chip, 1k Ω 1/10W	
R921	ERJ6GEYJ221	Chip, 220 Ω 1/10W	
R922	ERJ6GEYJ331	Chip, 330 Ω 1/10W	
R923	ERJ6GEYJ221	Chip, 220 Ω 1/10W	
R929	ERJ6GEYJ221	Chip, 220 Ω 1/10W	
R930	ERJ6GEYJ331	Chip, 330 Ω 1/10W	
R931	ERJ6GEYJ221	Chip, 220 Ω 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
CONNECTOR			
CJ640	YEAE012476	Connector, 12P	
SWITCHEs			
SW902	YEAS09312	Switch	
SW903	K0H1BA000339	Switch	
SW904	K0H1BA000339	Switch	
SW906	K0H1BA000339	Switch	
SW908	YEAS09312	Switch	
SW909	YEAS09312	Switch	
SW910	YEAS09312	Switch	
SW912	K0H1BA000339	Switch	
SW913	K0H1BA000339	Switch	
SW914	K0H1BA000339	Switch	
SW915	YEAS09312	Switch	
SW916	YEAS09312	Switch	
SW917	YEAS09312	Switch	
SW918	YEAS09312	Switch	
SW919	YEAS09312	Switch	
SW920	YEAS09312	Switch	
SW921	K0H1BA000339	Switch	
SW922	K0H1BA000339	Switch	
SW926	YEAS09312	Switch	
LCD			
LCD901	L5ACBJB00001	LCD	
LAMPs			
PL921	YEALHSLG003	Pilot Lamp	
PL922	YEALHSLG003	Pilot Lamp	
[E8908A] CD Servo Block			
IC's and TRANSISTORs			
IC101	C1BB00000414	IC	
IC201	C2BBFD000188	IC	
IC301	C0GBY0000012	IC	
Q1	YEADPS1101W	Transistor	
Q3	YEADPS1101W	Transistor	
Q6	YEADPS1101W	Transistor	
Q101	2SB766ATX	Transistor	
Q451	YEANC113ZKTX	Transistor	
DIODEs			
D1	YEADAN1102W	Diode	
D3	YEADAN1102W	Diode	
D6	YEADAN1102W	Diode	
D401	MA151WKTX	Diode	

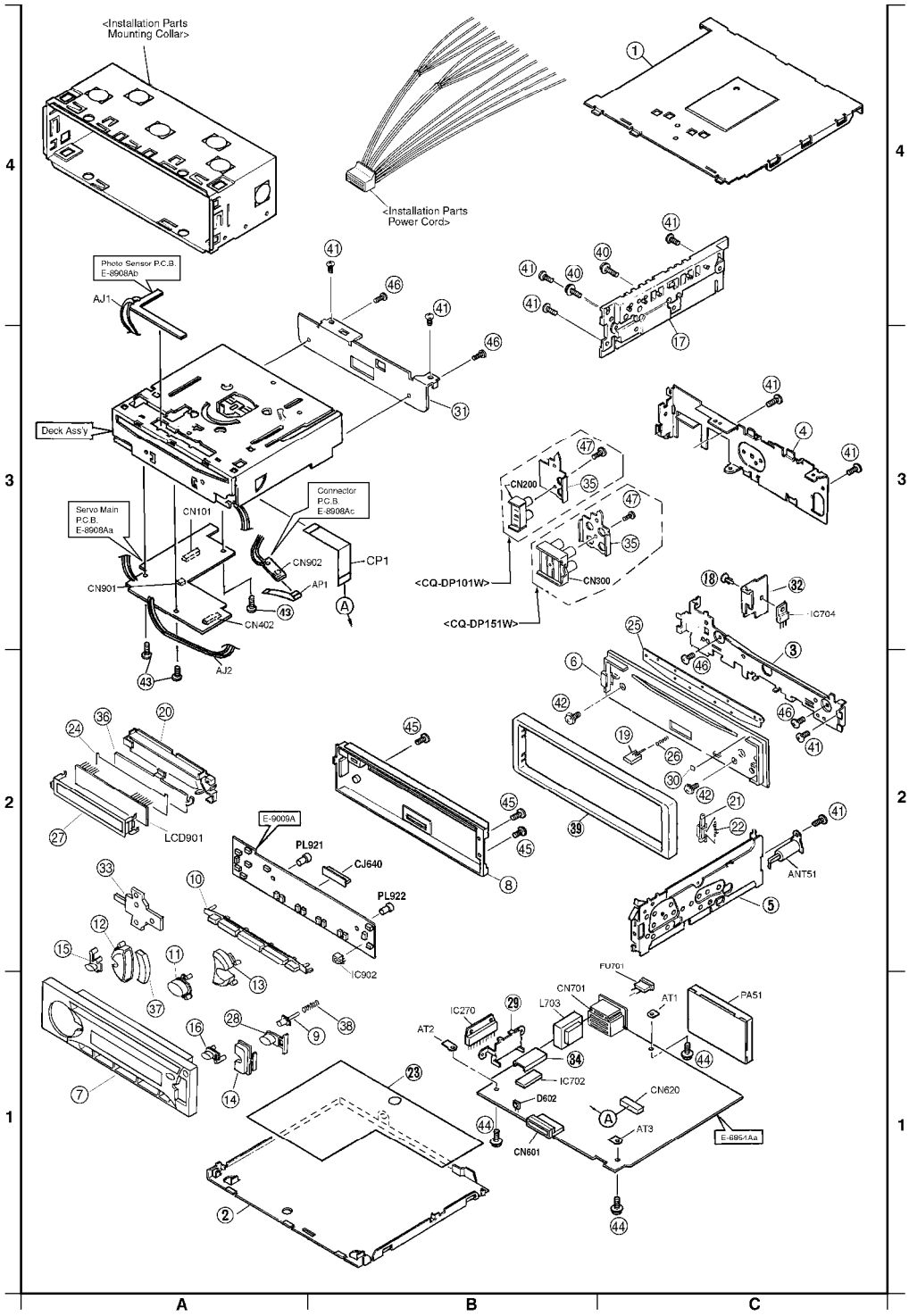
Ref. No.	Part No.	Part Name & Description	Remarks
D601	YEAD1SS355T1	Diode	
CAPACITORs			
C100	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C101	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C102	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C103	F3H0J107A001	Tantalum, 100 μF 6.3WV	
C111	YECSW1A106MA	Tantalum, 10 μF 10WV	
C112	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C114	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C115	YECSW1A106MA	Tantalum, 10 μF 10WV	
C117	YECUS1C104KX	Ceramic, 0.1 μF 16WV	
C122	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C126	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C133	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C140	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C151	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C170	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C171	YECUZ1C333KX	Ceramic, 0.033 μF 16WV	
C172	YECUZ1C333KX	Ceramic, 0.033 μF 16WV	
C173	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C174	YECUZ1H102KX	Ceramic, 0.001 μF 50WV	
C176	YECUZ1H103KX	Ceramic, 0.01 μF 50WV	
C177	F1H1H4R00002	Ceramic, 4PF 50WV	
C179	YECUS1H220JC	Ceramic, 22PF 50WV	
C190	YECUS1H560JM	Ceramic, 56PF 50WV	
C192	YECUS1H270JM	Ceramic, 27PF 50WV	
C193	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
C195	YECUZ1H102KX	Ceramic, 0.001 μF 50WV	
C217	F1H1A4740004	Ceramic, 0.47 μF 10WV	
C218	YECUZ1H103KX	Ceramic, 0.01 μF 50WV	
C301	YECUS1C334KX	Ceramic, 0.33 μF 16WV	
C302	ECEV1CA470SP	Electrolytic, 47 μF 16WV	
C410	ECEV1CA470SP	Electrolytic, 47 μF 16WV	
C603	YECUZ1C104KX	Ceramic, 0.1 μF 16WV	
RESISTORs			
J100	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J213	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
J401	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
J429	ERJ3GEY0R00V	Chip, 0 Ω 1/16W	
J501	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
J502	ERJ8GEY0R00V	Chip, 0 Ω 1/8W	
R101	ERJ3GEYJ101V	Chip, 100 Ω 1/16W	
R102	ERJ14YJ330H	Chip, 33 Ω 1/4W	
R171	ERJ3GEYJ333V	Chip, 33k Ω 1/16W	
R172	ERJ3GEYJ333V	Chip, 33k Ω 1/16W	
R179	ERJ3GEYJ203V	Chip, 20k Ω 1/16W	
R181	ERJ3GEYJ621V	Chip, 620k Ω 1/16W	
R182	ERJ3GEYJ682V	Chip, 6.8k Ω 1/16W	
R183	ERJ3GEYJ123V	Chip, 12k Ω 1/16W	
R184	ERJ6GEYJ682	Chip, 6.8k Ω 1/10W	
R185	ERJ3GEYJ123V	Chip, 12k Ω 1/16W	
R186	ERJ3GEYJ683V	Chip, 68k Ω 1/16W	
R187	ERJ3GEYJ683V	Chip, 68k Ω 1/16W	
R188	ERJ3GEYJ621V	Chip, 620k Ω 1/16W	
R218	ERJ3GEYJ563V	Chip, 56k Ω 1/16W	
R223	ERJ3GEYJ563V	Chip, 56k Ω 1/16W	
R305	ERJ3GEYJ122V	Chip, 1.2k Ω 1/16W	
R306	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R322	ERJ3GEYJ682V	Chip, 6.8k Ω 1/16W	
R323	ERJ3GEYJ223V	Chip, 22k Ω 1/16W	
R336	ERJ3GEYJ103V	Chip, 10k Ω 1/16W	
R411	ERJ3GEYJ334V	Chip, 330k Ω 1/16W	
R454	ERJ6GEYJ271	Chip, 270 Ω 1/10W	
R456	ERJ3GEYJ472V	Chip, 4.7k Ω 1/16W	
R461	ERJ3GEYJ823V	Chip, 82k Ω 1/16W	
R463	ERJ3GEYJ823V	Chip, 82k Ω 1/16W	
R466	ERJ6GEYJ823	Chip, 82k Ω 1/10W	
R471	ERJ8GEYJ121V	Chip, 120 Ω 1/8W	
R473	ERJ8GEYJ121V	Chip, 120 Ω 1/8W	
R476	ERJ8GEYJ121V	Chip, 120 Ω 1/8W	
R481	ERJ6GEYJ104	Chip, 100k Ω 1/10W	
CONNECTORs			
CN101	YEAESFW15R2E	Connector, 15P	
CN402	K1MN14B00028	Connector, 14P	
CN901	K1MN05B00010	Connector, 5P	
CN902	K1MN05B00009	Connector, 5P	
SWITCHEs			
SW2	ESE102MH2	Switch	
SW4	YEAS09275	Switch	

Ref. No.	Part No.	Part Name & Description	Remarks
CRYSTALs			
XL101	H2D169500008	Crystal	
XL201	H2D419400001	Crystal	
Accessories			
PRINTING			
	YEFM283668	Operating Instructions	
INSTALLATION PARTs			
	YEAJ02842	Power Cord w/Plug	
	CR2025/1F	Battery	A
	YEFG04019	Rear Support Strap	
	YEFX0214198	Mounting Collar	
	YEFX9992013	Remote Controller	A
	YGP9FZ2714	Screw Kit	
Mechanical Parts			
MISCELLANEOUS			
FU701	YEAF02015	Fuse, 15A	⚠
ANT51	YGAA10082	Antenna Receplacle	
AT1-3	YEAT03420	Terminal	
AJ1	YEAJ071287	Cord w/Pulg	
AJ2	YEAJ071285	Cord w/Pulg	
AP1	YEAP2711	Flexible P.C.B.	
1	YEFA031359E	Upper Cover	(4-C)
2	YEFA05807	Bottom Cover	(1-B)
3	YEFA07550	Front Plate	(2-C)
4	YEFA08543	Rear Plate	(3-C)
5	YEFA09508	Side Plate	(2-C)
6	YEFC025671	Escutcheon Ass'y, Unit	(2-C)
7	YEFC027181	Escucheon Ass'y, Detachable	A (1-A)
7	YEFC027182	Escucheon Ass'y, Detachable	B (1-A)
8	YEFA131569	Cover, Detachable	(2-B)
9	YEFE136613	Button, RLSE	(1-A)
10	YEFE136607	Button, PRESET	(2-A)
11	YEFE136604	Button, TUNE/TRACK	(1-A)
12	YEFE136601	Button, VOL.	(2-A)
13	YEFE136603	Button, BAND/DISP	(2-A)
14	YEFE136617	Button, REP/LOUD	(1-A)
15	YEFE136600	Button, SEL	(2-A)
16	YEFE136615	Button, SOURCE	(1-A)
17	YEFF01829C	Heat Sink	(4-C)
18	YEFJ05046	Color Rivet	(3-C)
19	YGFE134716	Button	(2-C)
20	YEFK06972	Holder, LCD	(2-A)
21	YEFX9991689	Release Hook	(2-C)
22	YEFX0052176	Spring	(2-C)
23	YEFV012094	Insulator	(1-B)
24	YEFV021486	Optical Shade	(2-A)
25	YEFS02302	Felt	(2-C)

Ref. No.	Part No.	Part Name & Description	Remarks
26	YEFX0052175	Spring	(2-C)
27	YEFX0215180	Bracket, LCD	(2-A)
28	YEFE136612	Button, EJECT	(1-A)
29	YEFX0213945B	Bracket, IC270	(1-B)
30	YEFS011113	Pad	(2-C)
31	YEFX0214964	Bracket, Deck	(3-B)
32	YEFX0215204	Bracket, IC704	(3-C)
33	YEFX0012131	Transparent Plate	(2-A)
34	YEFX0214168	Bracket, IC702	(1-B)
35	YEFX0213650	Bracket, 4P RCA	A (3-B)
35	YEFX0213673	Bracket, 2P RCA	B (3-B)
36	YEFX0012135	Transparent Plate	(2-A)
37	YEFX0012130	Transparent Plate	(2-A)
38	YEFX0052153	Spring	(1-B)
39	YEFC05554	Trim Plate	(2-B)
40	YEJS06092	Screw, M3x10mm	
41	XTB3+6FFX	Tapping Screw, M3x6mm	
42	YGJT03156	Tapping Screw, M2.6x5mm	
43	XYN2+J4FX	Tapping Screw, M2x4mm	
44	YEJT03009	Screw, M3x8mm	
45	XTN2+8GFZ	Tapping Screw, M2x8mm	
46	YEJT03267	Tapping Screw, M2.8x5mm	
47	XTB3+8GFX	Screw, M3x8mm	

12. EXPLODED VIEW (Unit)



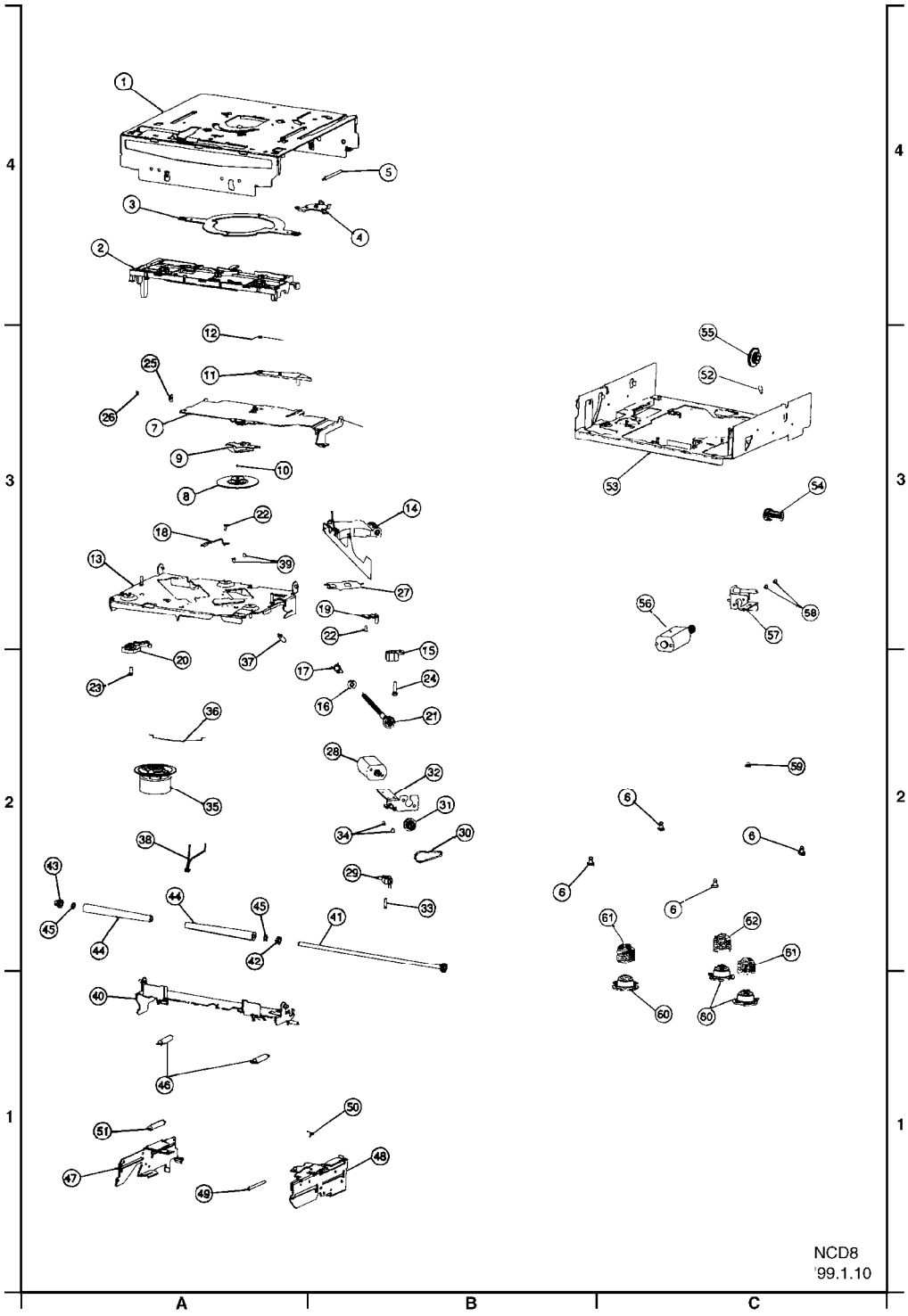
13. CD PLAYER PARTS

MISCELLANEOUS

Ref. No.	Part No.	Part Name & Description	Remarks
1	YGFA011781	Upper Chassis	(4-A)
2	YGFX236153	Disk Guide	(4-A)
3	YGFX0462017	Link Lever	(4-A)
4	YGFX0462018	Detection Lever (2)	(4-B)
5	YGFX0052357	Detection Lever (2) Spring	(4-B)
6	YEJT03131	Tapping Screw, 2.6 mm* 5mm	(2-C)(2-B)
7	YGFX249461	Clamp Arm	(3-A)
8	YGFX007640	Clamper	(3-A)
9	YGFX0052363	Clamper Spring Plate	(3-A)
10	YEFX999957	Ball Bearing	(3-A)
11	YGFX0462013	Detection Lever (1)	(3-A)
12	YGFX0052352	Detection Lever (1) Spring	(3-A)
13	YGFA011795	Suspension Chassis Ass'y	(3-A)
14	YESFD13006	Optical Pick-up Ass'y	(3-B)
15	YEFW04150	Feed Screw Housing A	(2-B)
16	YEFW04137A	Feed Screw Housing B	(2-B)
17	YGFX0052386	Thrust Adjusting Spring	(2-B)
18	YEFX236144B	Traverse Guide	(3-A)
19	YGFX9992027	Feed Screw Carrier	(3-B)
20	YEFX9991458A	FPC Holder	(2-A)
21	YGJT03240	Traverse Gear Ass'y	(2-B)
22	YEJS02037	Screw, (Pick-up)	(3-A)(3-B)
23	XYN2+C5FX	Screw, (FPC) 2mm * 5mm	(2-A)
24	XYN2+J10FX	Screw, (Housing) 2mm * 10m	(2-B)
25	YEFX0051590	Spring Washer	(3-A)
26	XUC15V	Retaining Ring, 1.5mm	(3-A)
27	YEFX9991806A	Sealed Plate	(3-B)
28	YGP0FX3503	Traverse Motor Ass'y	(2-B)
29	YEAS23151A	Inner Switch	(2-B)
30	YEFR03080	Rubber Belt	(2-B)
31	YEFX026124A	Idler Pulley	(2-B)
32	YGFX018611	Motor Bracket Ass'y	(2-B)
33	YEJS02018FZ	Screw, (SW)	(2-B)
34	XQN2+A25FX	Screw, 2mm * 25mm	(2-B)
35	YGP0FX3529	Spindle Motor Ass'y	(2-A)
36	YEFX0051991C	Spring (Motor)	(2-A)
37	YGFX0052353	Clamper Spring	(2-A)
38	YGAJ071286	Motor Cable	(2-A)
39	XQN17+A25FX	Screw, 1.7mm * 25mm	(3-A)
40	YGFX0462019	Feeder Arm Ass'y	(1-A)
41	YGP0FX3507	Roller Gear Ass'y	(2-B)
42	YEFW04144	Roller Shaft Collar (1)	(2-A)
43	YEFW04138	Roller Shaft Collar (2)	(2-A)
44	YEFX218282	Rubber Roller	(2-A)
45	YEJW04128	Washer	(2-A)
46	YGFX0052362	Spring (Feeder Arm)	(1-A)
47	YGFX0462015	Suspension Lock Plate (L)	(1-A)
48	YGP0FX3504	Suspension Lock Plate (R) Ass'y	(1-B)
49	YGFX0052355	Spring (Rack Gear)	(1-A)
50	YGFX0052356	Spring (Rack Lock Lever)	(1-B)
51	YGFX0052360	Spring (Suspension Lock Plate L)	(1-A)
52	YGFX0052361	Spring (Lock Plate)	(3-C)
53	YGFA011779	Bottom Chassis Ass'y	(3-C)
54	YGFX003940	Driving Gear (1)	(3-C)

Ref. No.	Part No.	Part Name & Description	Remarks
55	YGFX003941	Driving Gear (2)	(3-C)
56	YGP0FX3506	Loding Motor Ass'y	(3-C)
57	YGFX018605	Loding Motor Bracket Ass'y	(3-C)
58	XQN2+A25FX	Screw, (Motor) 2mm * 25mm	(3-C)
59	YEJS06188	Screw	(2-C)
60	YEFS04693	Oil Dumper	(1-C)
61	YGFX0052358	Suspension Spring (A)	(2-C)
62	YGFX0052359	Suspension Spring (B)	(2-C)

14. EXPLODED VIEW (CD Deck)



15. WIRING DIAGRAM

15.1. Display Block

15.2. Main Block (Top View)

15.3. Main Block (Bottom View)

15.4. CD Servo Block (Top View)

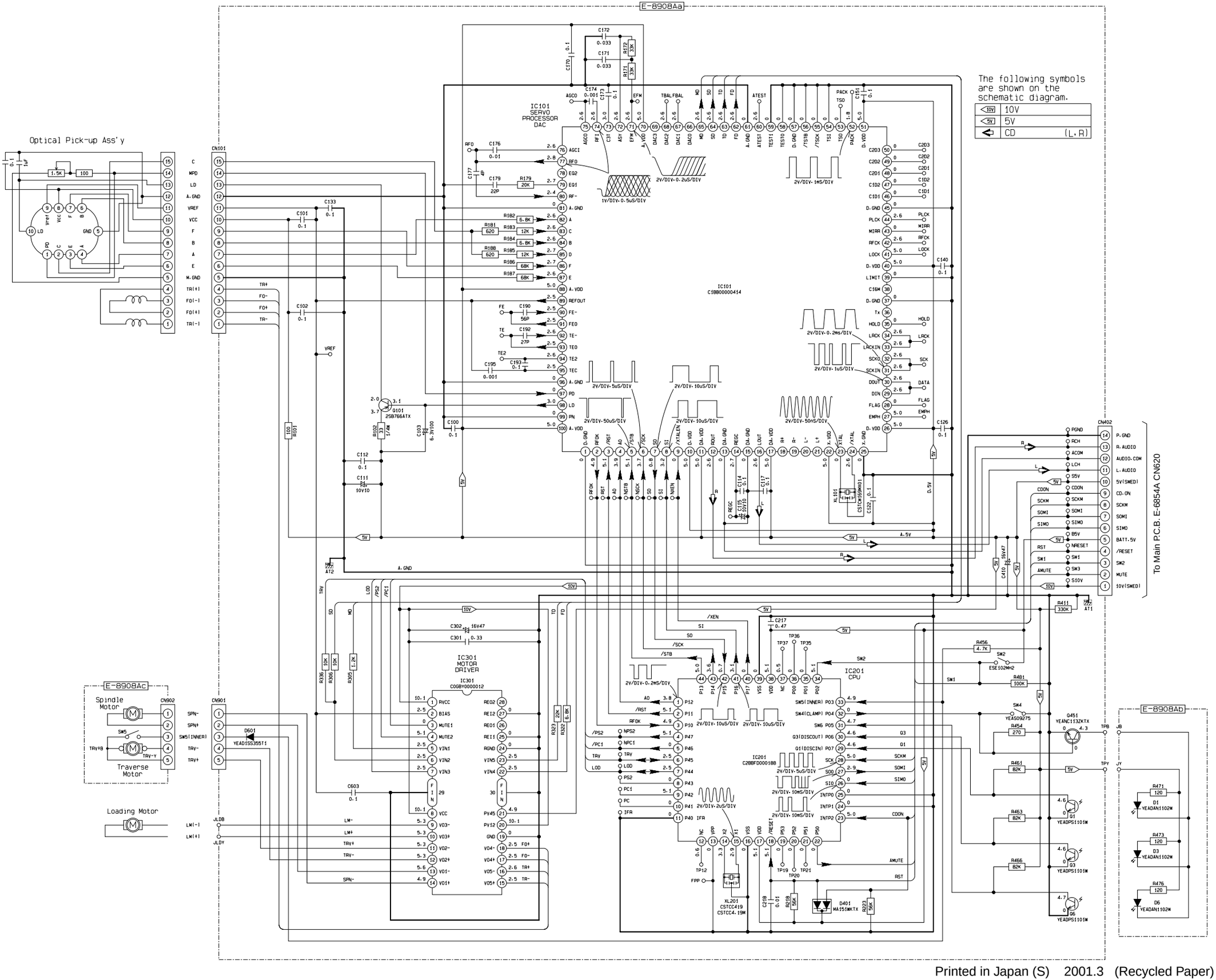
15.5. CD Servo Block (Bottom View)

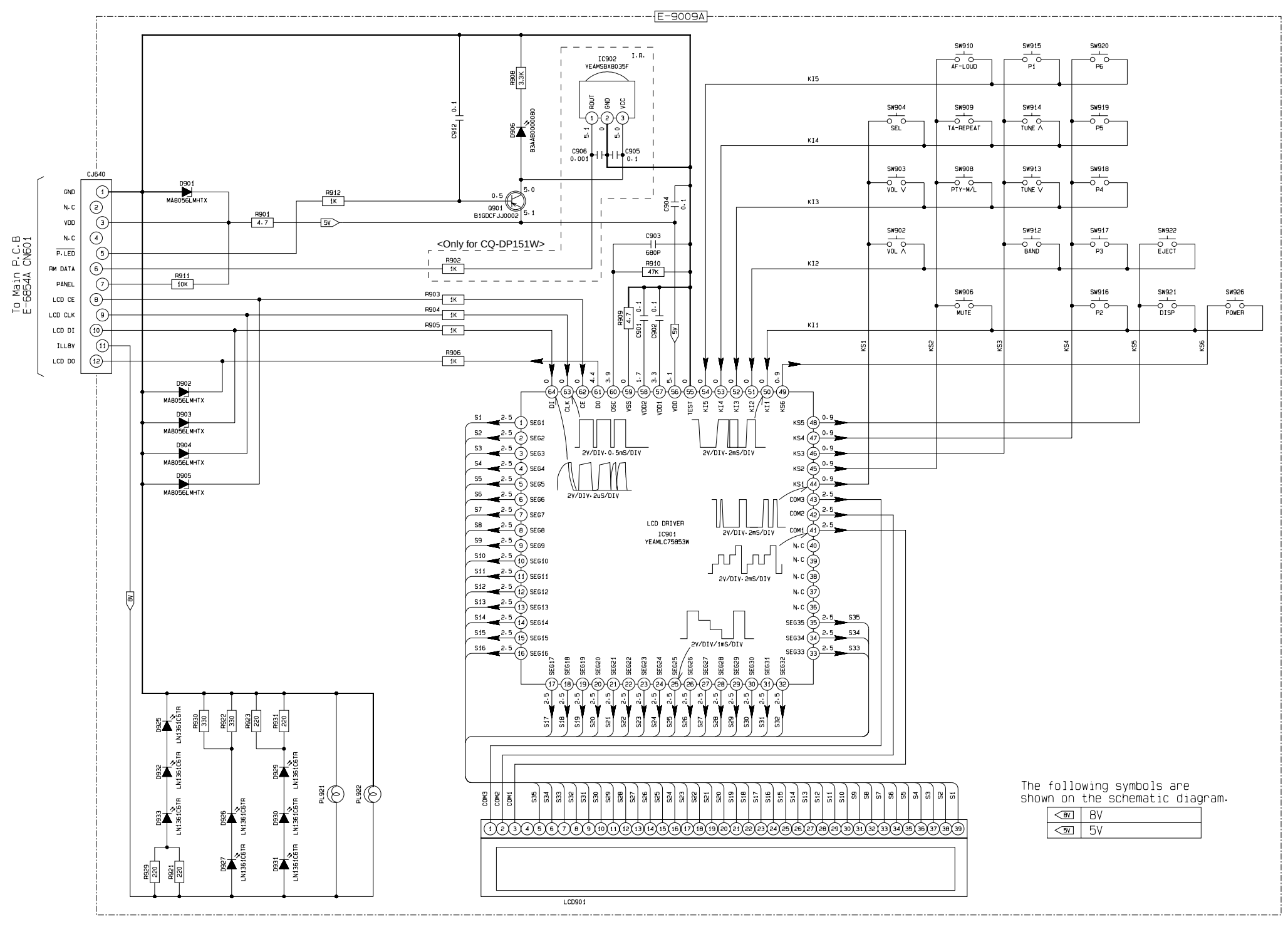
16. SCHEMATIC DIAGRAM

16.1. Display Block

16.2. Main Block

16.3. CD Servo Block


E-8908Aa
The following symbols are shown on the schematic diagram.
10V
5V
CD (L.R)
Optical Pick-up Ass'y
IC101
SERVO PROCESSOR DAC
IC101
C1BB00000414
IC301
MOTOR DRIVER
IC301
C0GBY0000012
IC201
CPU
IC201
C2BBFD000188
XL101
CSTCW16M9X01
XL201
CSTCC419
CSTCC4.19M
D401
MA151WKTX
Q101
2SB766ATX
Q451
YEANC113ZKTX
Q1
YEADPS1101W
Q3
YEADPS1101W
Q6
YEADPS1101W
D1
YEADAN1102W
D3
YEADAN1102W
D5
YEADAN1102W
D601
YEADISS355T1
CN101
CN901
CN902
CN402
To Main P.C.B. E-6854A CN620
E-8908Ac
Spindle Motor
Traverse Motor
Loading Motor
E-8908Ab
JLDB
JLDY
JA
JB
JY
TPA
TPB
TPY
2V/DIV·0.2uS/DIV
1V/DIV·0.5uS/DIV
2V/DIV·1mS/DIV
2V/DIV·0.2mS/DIV
2V/DIV·1uS/DIV
2V/DIV·5uS/DIV
2V/DIV·10uS/DIV
2V/DIV·50nS/DIV
2V/DIV·2uS/DIV
2V/DIV·10mS/DIV



The following symbols are shown on the schematic diagram.

<8V>	8V
<5V>	5V

E-6854A

Note1 (#1):Only for CQ-DP151W
Note2 (#2):220 ohms <CQ-DP151W>
560 ohms <CQ-DP101W>

TUNER
P451 C58A00000095

P451	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
FM	0	0	0	1.1	8.5	8.4	2.2	0	0	3.4	3.4	0	4.6	0.7	4.1	0
AM	0	0	0	2.5	8.5	0	2.2	0	1.8	3.4	3.4	0	4.6	0	2.0	0

ELECTRONIC VOLUME CONTROL

IC201 YEAMEA63201T

POWER AMP IC270 C1EA00000026

CN300 <CQ-DP151W>
CN200 <CQ-DP101W>

PLL
IC400 C1BB00000541

CPU IC600 C2B80E0000526

IC705 C0EBG0000038

IC704 YEAMPC78M08A VOL.REG

IC703 C0CAAD500035 VOL.REG

IC702 C0DAZHF00002 VOL.REG HeatSink

To CD Servo P.C.B
E-6908A CN402

CN620
P.GND 1
OUT-R 2
A.GND 3
OUT-L 4
5V 5
CD-ON 6
SCKM 7
SOMI 8
SIMO 9
BATT-5V 10
CD-RESET 11
SW2 12
CD-MUTE 13
10V 14

SMT-R
MODE3
MODE1
MODE2
SMT-F
R.REEL

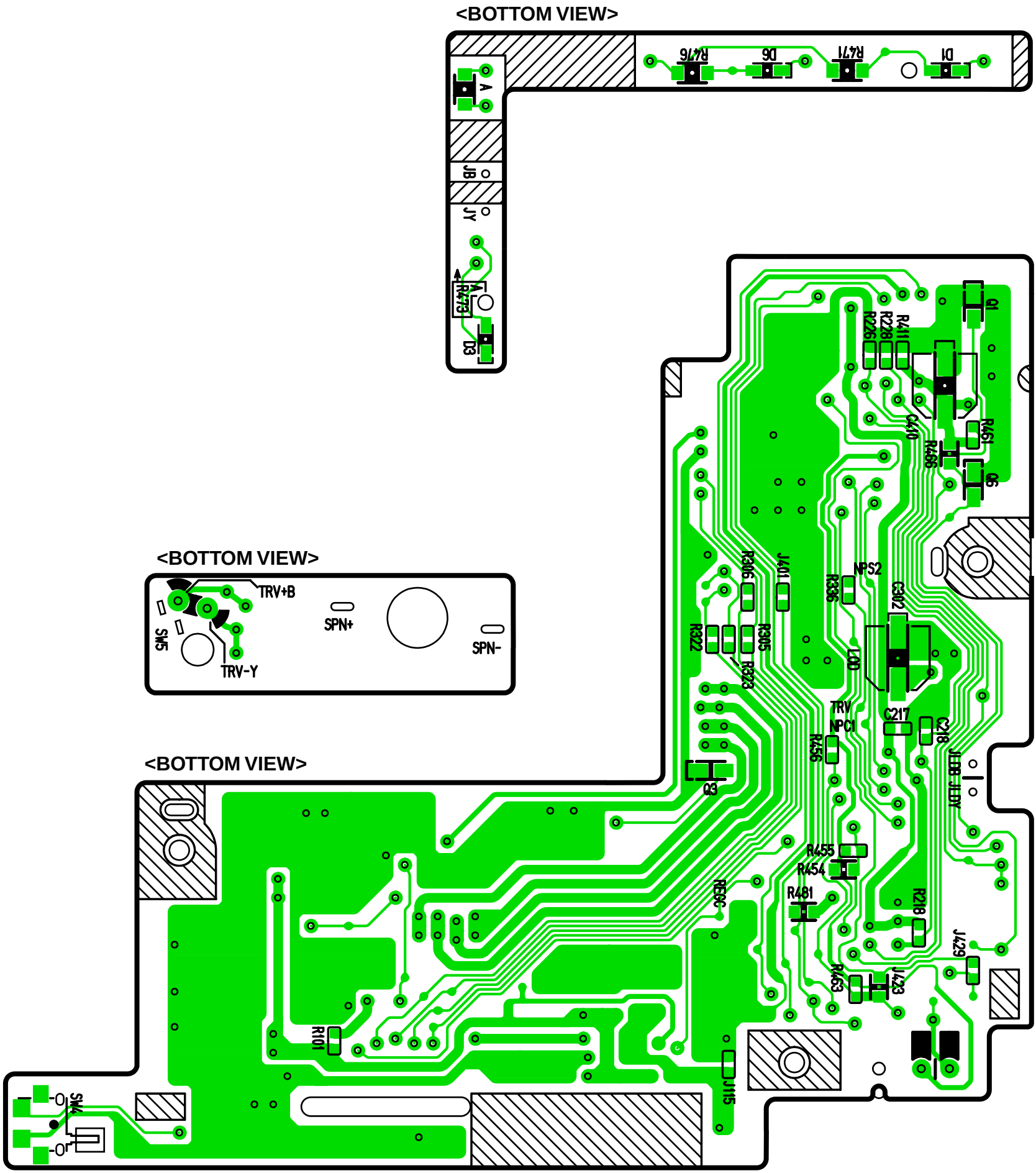
The following symbols are shown on the schematic diagram.

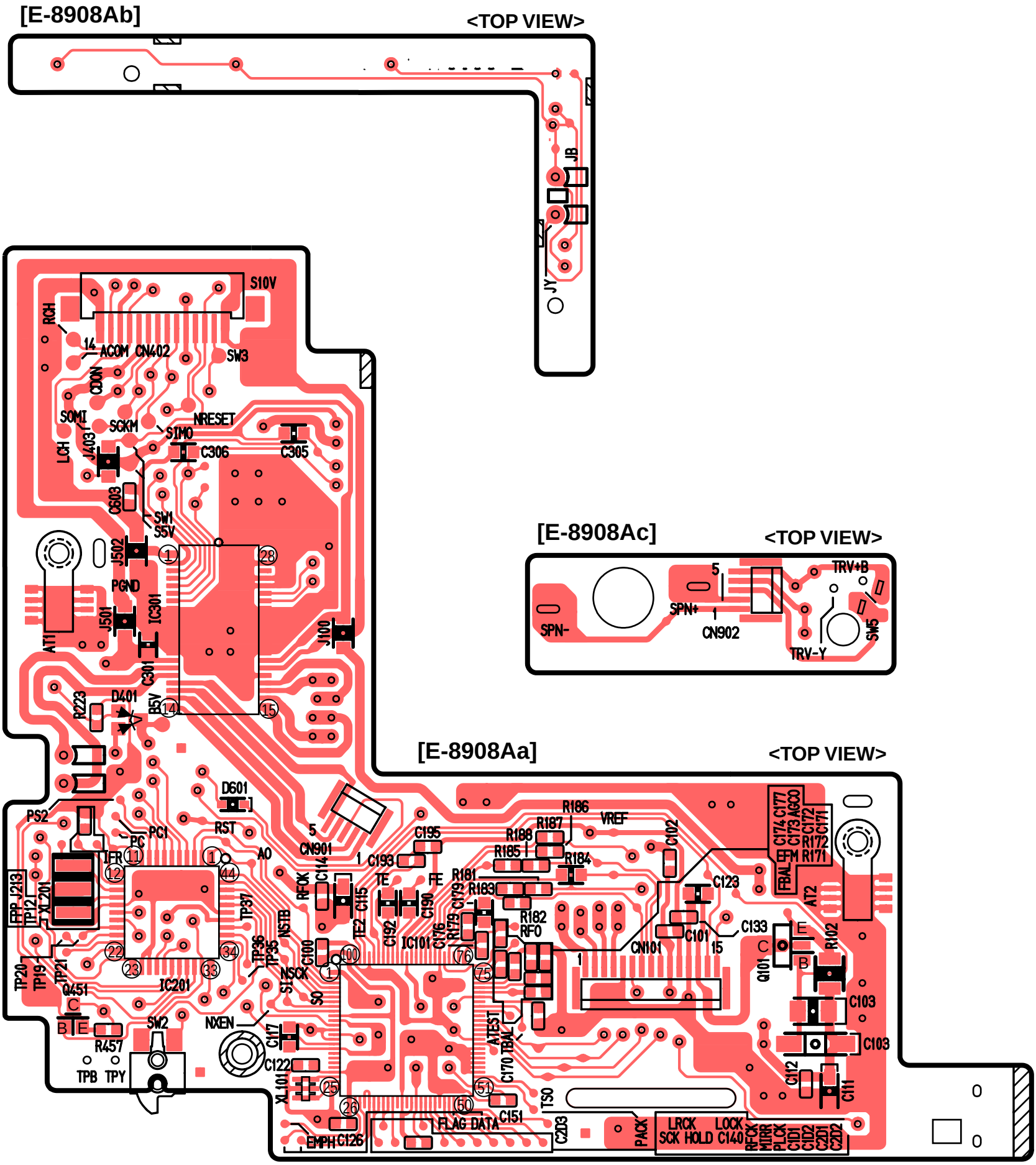
+B	
ACC	
10V	
8V	
5V	
RADIO	(L.R)
CD	(L.R)
AUDIO	(L.R)

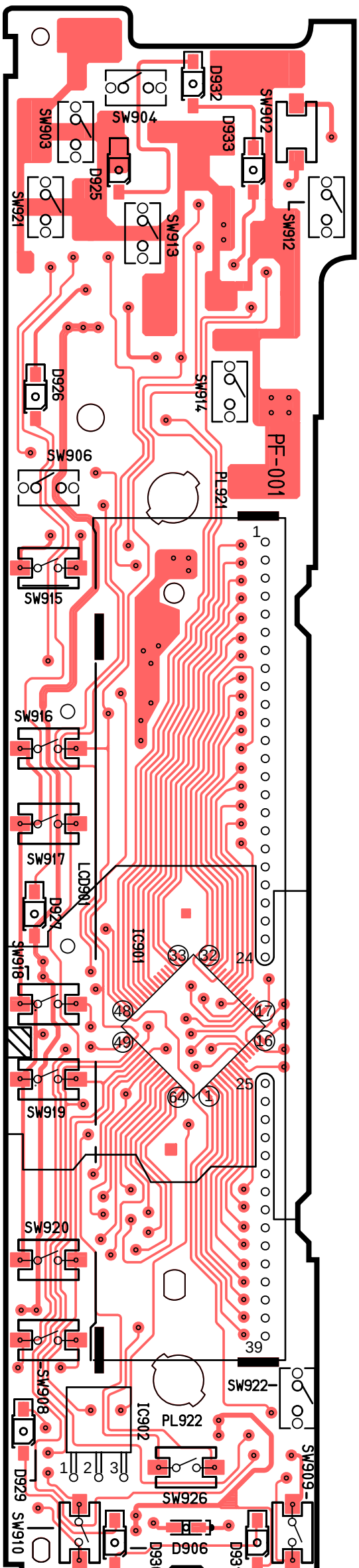
To Display P.C.B
E-9009A CJ640

CN601
GND 1
AUX-TRCH 2
VDD 3
AUX-LCH 4
POWER LED 5
PAN_DATA 6
PANEL 7
LCD-CE 8
LCD-CLK 9
LCD-DI 10
ILL-8V 11
LCD-DO 12

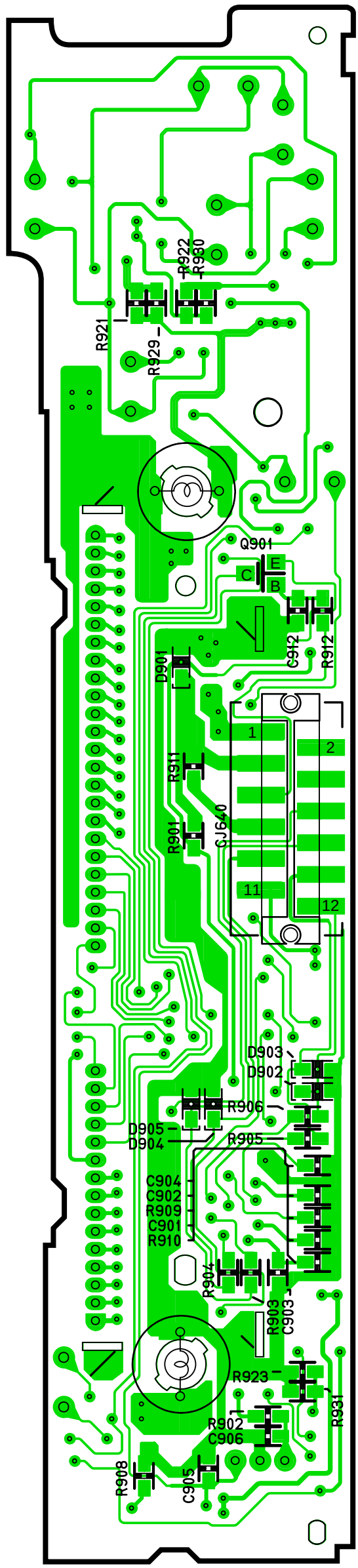
CG-DP151W/DP101W


<BOTTOM VIEW>
R476
D6
R471
D1
A
JB
JY
R473
D3
<BOTTOM VIEW>
TRV+B
SPN+
SPN-
SW5
TRV-Y
<BOTTOM VIEW>
Q1
R411
R228
R226
C410
R451
R466
Q6
R306
J401
R336
NPS2
C302
R322
R305
R323
LCD
TRV
NPC1
C217
C218
R456
LED_FLDY
Q3
R455
R454
R481
R218
J429
J423
R463
R101
J115
SW4

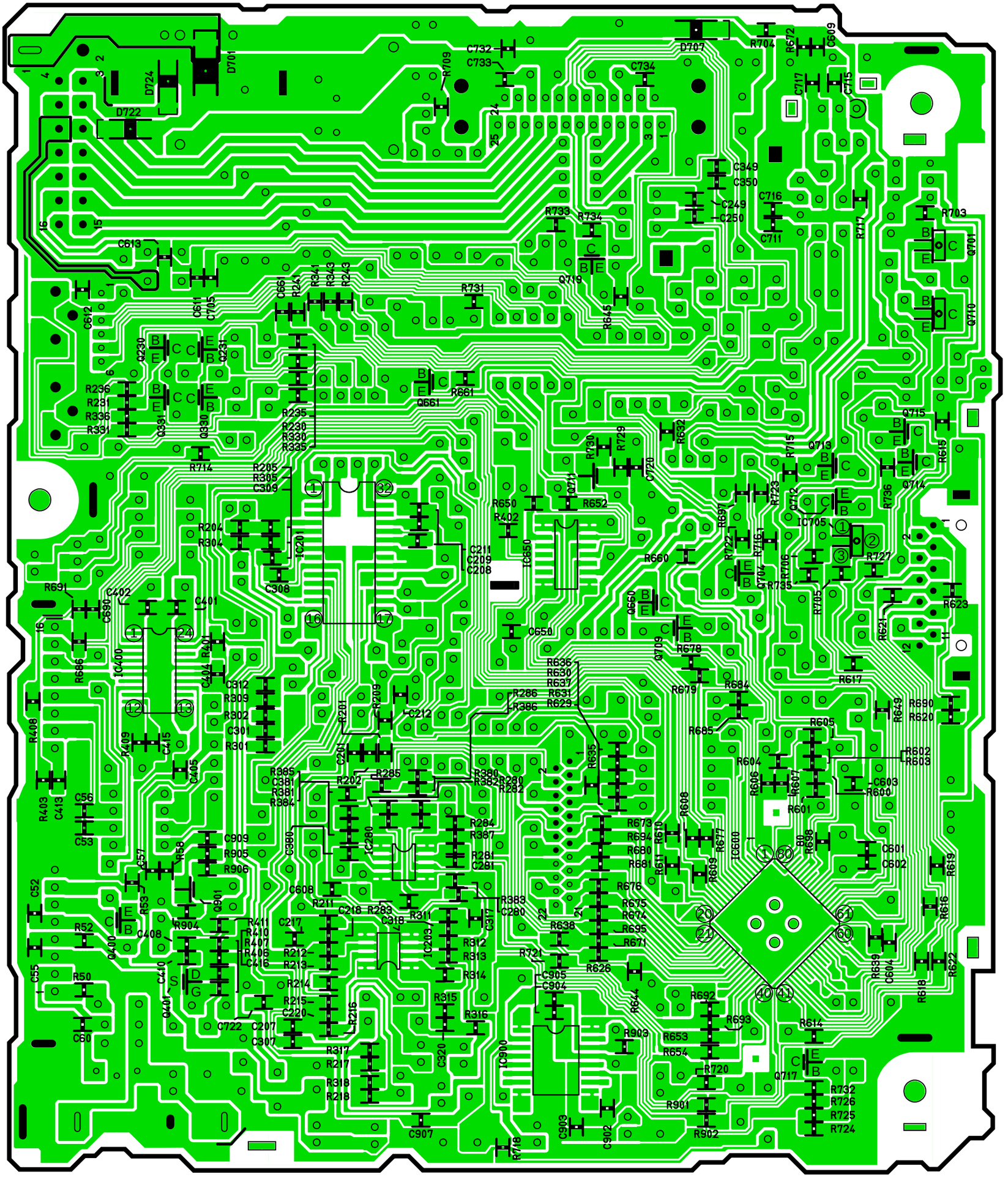

[E-8908Ab]
<TOP VIEW>
JB
JY
[E-8908Ac]
<TOP VIEW>
SPN-
SPN+
CN902
TRV+B
TRV-Y
SW5
[E-8908Aa]
<TOP VIEW>
S10V
RCH
ACOM CN402
SW3
CDON
SOMI
SCKM
SIMO
NRESET
LCH
J403
C306
C305
Q603
SW1
S5V
J502
PGND
J501
IC301
J100
AT1
C301
B5V
D401
R223
D601
RST
PS2
PC
PC1
IFR
AO
CN901
C114
RFCK
C193
C195
TE
FE
C115
C192
C190
C179
C176
IC101
R181
R183
R182
RFO
R186
R187
R188
R185
R184
VREF
C102
C123
C101
C133
CN101
C174 C177
C173 AGCO
C172
R172
C171
FBAL
FFM
R171
AT2
R102
Q101
C103
C103
C112
C111
TP37
TP36
TP35
NSTB
NSCK
SO
SI
C100
TE2
XL201
FRP J213
TP12
TP20
TP19
TP21
Q451
IC201
SW2
NXEN
C117
C122
R457
TPB
TPY
XL101
ATEST
TBAL
C170
TSO
C151
FLAG DATA
EMPH C126
C203
PACK
LRCK
SCK
LOCK
HOLD
C140
RFCK
MIRR
PLCK
C1D1
C1D2
C2D1
C2D2



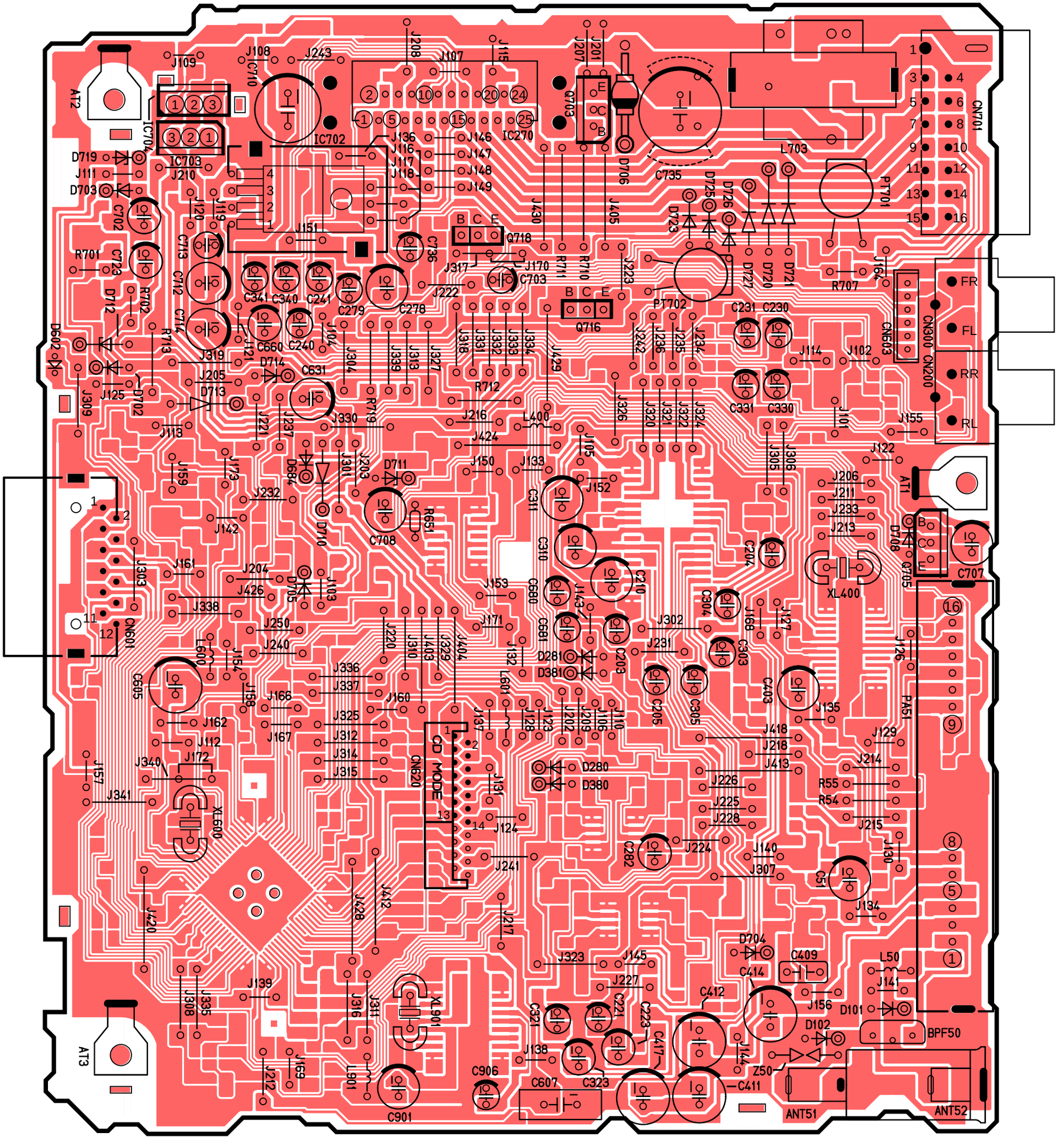
[E-9009A][Top view]



[E-9009A][Bottom view]



[E-6854A][Bottom View]



[E-6854A][Top View]